

PRODUCT SELECTION REPORT

Model:QDX1.5-32-0.75LA
Name:Submersible Pump



LEO GROUP PUMP CO.,LTD.

2025.4.28

Project Name:

Personal Name:
Company Address:

Company Name:

Website: www.leopump.com
Company Name:

Product Model: QDX1.5-32-0.75LA
LEO GROUP PUMP CO., LTD.

Product Recommendations

Power(kW): 0.75 Flow(m³/h): 1.5 Head(m): 32

Based on provided information and product parameters, LEO PUMP recommends model: **QDX1.5-32-0.75LA**

Introduction

Application

Small electrical irrigation and drainage equipmentsParticularly applied in urban well water pumping, field irrigation anddrainage, garden irrigation and household water supply, as well asdrainage of industrial accumulated water, water supply and drainage forconstruction, livestock breeding, etc.

Pump

Cast iron pump body under special anti-rust treatment;

Max. immersion depth: 5 m;

Max. liquid temperature: +40°C;

Liquid ph value: 6.5 - 8.

Motor

Copper winding;

Built-in thermal protector;

Stainless steel welded shaft;

Insulation class: F;

Protection class:IP68.

Product Parameters

Nameplate

Pump flow rate(m³/h): 1.5
Overall efficiency(%): 20.11

Total manometric head H(m): 32
Speed(rpm): 3000

Technical

Motor power(kW): 0.75
Curve tolerance: GB/T 3216 Appendix A
Maximum use flow(m³/h): 6

Pump power input(kW): 0.621
Maximum lift(m): 32.5

Material

Impeller:	PPO	Pump body:	HT200
Cylinder head:	HT200	Chassis:	ADC12
Upper bearing seat:	ADC12	Mechanical seal:	Upper: Ceramic/Carbon
Up cover:	ADC12		

Working conditions

Max. Particles Size(mm):	0.2	Max. liquid density(Kg/m ³):	1.0X10 ³ Kg/m ³
Max. ambient temperature(°C):	40	Max. liquid temperature(°C):	40
Max. immersion depth(m):	5		
Pumped medium:			
Normal temperature clean water, non corrosive (such as well water, river water, lake water)			

Installation

Pipe Diameter(mm):	G3/4(25)		
Connection standard:			Water outlet connector

Motor

Motor phase:	Single phase	Protection class:	IP68
Motor poles:	2	Insulation class:	F
Frequency(Hz):	50	Rated voltage(V):	220
Rated current(A):	5.2	Power factor:	0.85
Drive end bearing:	6203	Non-drive end bearing:	6202
Efficiency(%):	66.5	Starting current(A):	22

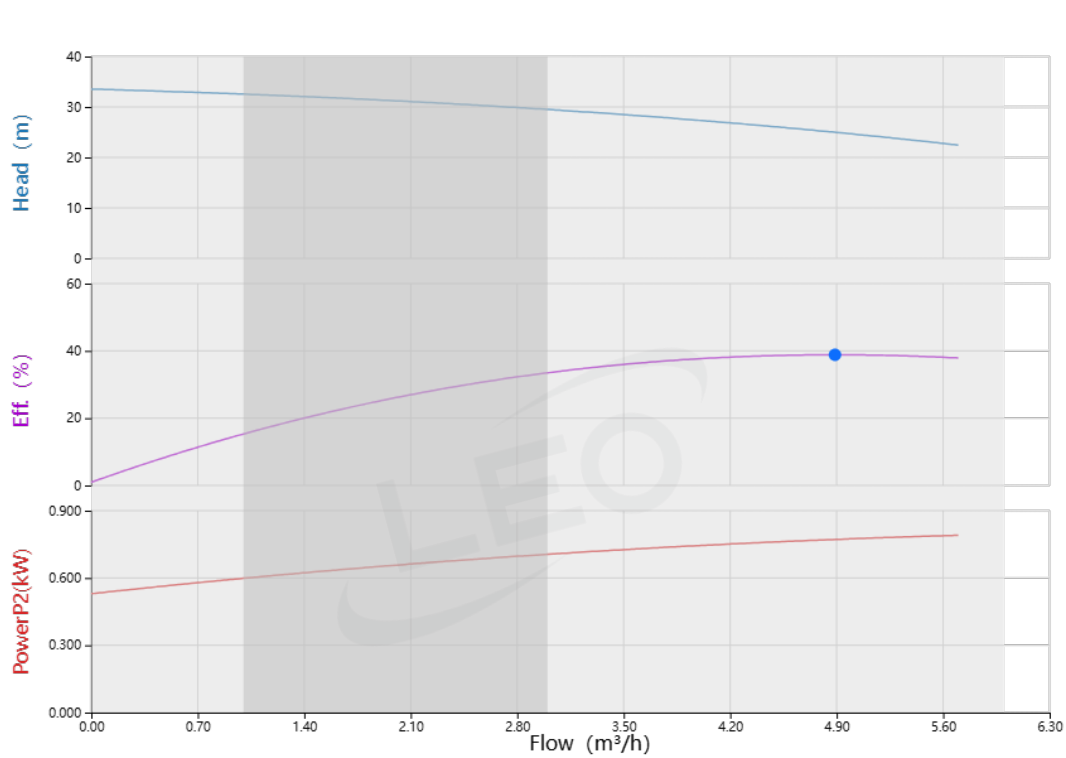
Weight/Packaging

Gross weight(kg):	12.5	Package size(mm):	435*250*235
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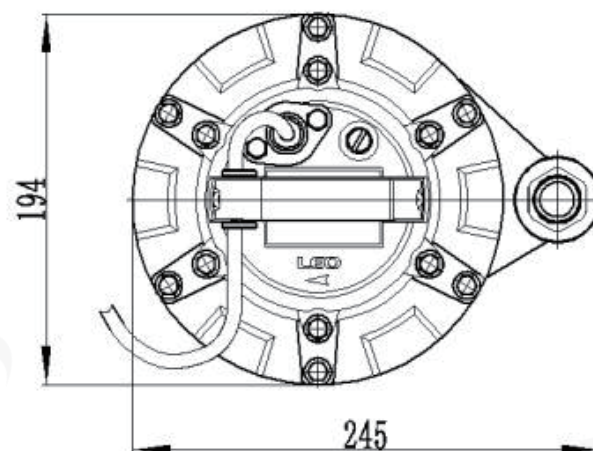
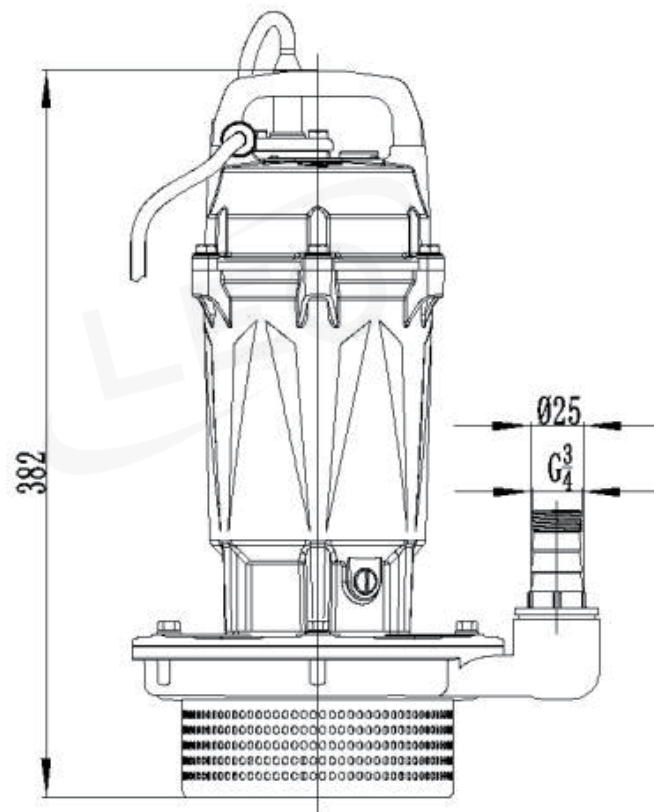
Area Range Parameters

Max Q(m ³ /h):	8.0	Allowable Minimum (m ³ /h):	0.0
Allowable Maximum (m ³ /h):	6.0	Min Value Optimal area (m ³ /h):	1.0
Max Value Optimal area (m ³ /h):	3.0		

Performance Curve



Shape & Size



Exploded View

序号	代号	名称	规格	数量	材料	备注
32	10001464	手柄×4×10 (GB/T 1060)		1	304	
31	50060355	QD6-16-0.75A18电机		1		
29	10000666	ISV1密封垫片 (40×30×2)		1	PEEK	
29	30048479	ISV1密封垫片 (40×30×2) (英文)		1		
28	10001652	ISV1密封垫片		1	304	
27	40018595	QD2-16-0.55出水接头		1	PT300	
26	30048410	QD1密封垫片		1	304	
25	10013297	密封垫片×4 (GB/T 827)		2	74橡胶	
24	10031728	550底座		1		
23	10005989	密封圈 13×8×2.5		2	PEEK	
22	10000811	开槽圆螺母 M8×8		2	A2-70 (304)	
21	40017246	QD2-16-0.55泵手板件		1	PP-EP10	
20	40023721	QD2-16-0.55泵手板		1	PP-EP10	
19	10001441	平垫圈 (GB/T 97.1)		2	200HT (304)	
18	10000607	平垫圈小头×大头×6×25 (GB/T 823)		2	A2-70 (304)	
17	10033667	13号圆螺母		1	100ML	
16	10001393	QD2-16-0.55 (GB/T 3452.1)		1	PEEK	
15	10001590	平垫圈大头×6 (GB/T 818)		3	4.8 螺栓	
14	10027543	密封圈 1200AB-14-38		1	QD6 (NIP207)	
13	10024478	202-14密封圈		1	304	
12	10032555	大端头×3×圆螺母×16 (GB/T 578)		6	A2-70 (304)	
11	40017497	QD1.5-32-0.75轴套		1	PT300	
10	10000612	平垫圈×6×16 (GB/T 5783)		6	A2-70 (304)	
9	10000606	密封圈 194×23×7		1		
8	40025385	QD1.5-32-0.75叶轮		1	PP-EP10	
7	10001429	平垫圈 (GB/T 97.1)		1	200HT (304)	
6	10001209	标准型弹簧垫圈 (GB/T 93)		1	304	
5	10010823	1号大端头×10 (GB/T 6170)		1	A2-70 (304)	
4	10040536	QD2-16-0.55轴套		1	PEEK	
3	40017493	QD1.5-32-0.75壳体		1	PT300	
2	10025773	QD1.5-32-0.75密封圈		1		
1	10016852	平垫圈大头×6×10 (GB/T 818)		3	A2-70 (304)	

图号: QDX-L

图名: 爆炸图

比例: 1:1

日期: 2022.07.29

制图: 陈超

审核: 陈超

批准: 陈超

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* LEO reserves all the right of products modification without prior notification



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